

Title (en)
CONTROL METHOD AND SYSTEM FOR MAINTAINING VEHICLE LANE

Title (de)
STEUERUNGSVERFAHREN UND -SYSTEM ZUR BEIBEHALTUNG DER FAHRZEUGSPUR

Title (fr)
PROCÉDÉ ET SYSTÈME DE COMMANDE DE MAINTIEN DE VOIE DE VÉHICULE

Publication
EP 3885218 A4 20220126 (EN)

Application
EP 19904563 A 20190628

Priority
• CN 201811586216 A 20181225
• CN 2019093437 W 20190628

Abstract (en)
[origin: EP3885218A1] A lane keeping control method of a vehicle and a lane keeping control system of a vehicle are provided. The method includes: detecting a type of a lane line in a video of an environment in front of the vehicle, and determining a corresponding adjustment coefficient in accordance with the type of the lane line; determining a current intervention distance for the vehicle in accordance with a nominal time of the vehicle, a lateral speed of the vehicle, a nominal offset value of the vehicle, and the adjustment coefficient; and sending a steering intervention request to the vehicle when the intervention distance is smaller than a preset distance threshold, so as to keep the vehicle moving in a lane defined by the lane line.

IPC 8 full level
B60W 30/12 (2020.01); **B60W 50/14** (2020.01); **B62D 15/02** (2006.01); **G06V 10/56** (2022.01)

CPC (source: CN EP US)
B60W 30/12 (2013.01 - CN EP US); **B60W 50/14** (2013.01 - EP); **B62D 15/025** (2013.01 - EP); **G06V 10/443** (2022.01 - EP US); **G06V 10/56** (2022.01 - EP US); **G06V 20/588** (2022.01 - EP US); **B60W 2420/403** (2013.01 - EP); **B60W 2520/12** (2013.01 - EP); **B60W 2540/20** (2013.01 - EP); **B60W 2552/53** (2020.02 - EP)

Citation (search report)
• [I] EP 1531113 A2 20050518 - AUDI AG [DE]
• [I] US 6038496 A 20000314 - DOBLER GUENTER [DE], et al
• [A] US 2018023961 A1 20180125 - FRIDMAN OFER [IL]
• [A] DE 102010053964 A1 20110825 - DAIMLER AG [DE]
• See also references of WO 2020133987A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3885218 A1 20210929; **EP 3885218 A4 20220126**; CN 109624976 A 20190416; CN 109624976 B 20201016; WO 2020133987 A1 20200702

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EP 19904563 A 20190628; CN 201811586216 A 20181225; CN 2019093437 W 20190628